

Title (en)

Method and device for producing bellows

Title (de)

Verfahren und Vorrichtung zur Herstellung von Faltenbalgen

Title (fr)

Procédé et dispositif pour la production de soufflets

Publication

EP 1053800 A1 20001122 (EN)

Application

EP 99109766 A 19990518

Priority

- EP 99109766 A 19990518
- JP 32773597 A 19971128
- US 31416799 A 19990519

Abstract (en)

In order to produce a metal bellows (2) of a length of "Ls" for use in a heated atmosphere, the following steps take place. First, a blank of the bellows is prepared, which is a metal pipe having a plurality of bulges formed therearound. The blank (2X) has a length of "L" that is longer than the length "Ls". Then, the blank (2Y) is axially compressed by a length of "a", so that the compressed blank has a length of "L-a" that is shorter than the length "Ls". Then, the compressed blank is axially expanded so that the expanded blank (2Z) has a length of "L-a+b" that is longer than the length "Ls". Then, the force that has been applied to the blank is removed, and then the treated blank is left in room temperature until the time when the treated blank becomes to have the length of "Ls" due to the spring-back phenomenon. <IMAGE>

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CPC (source: EP US)

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Citation (search report)

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